Performance Data Sheet

RGA5472EXA

General Information

Model	RGA5472EXA	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	2550	2310					
	Watts	370	381					
	Amps	3.44	3.50					
	Lb/h	33.0	31.1					
-10	Btu/h	2920	2700	2470				
	Watts	388	401	422				
	Amps	3.57	3.64	3.84				
	Lb/h	37.4	36.0	34.5				
-5	Btu/h	3290	3090	2870	2650			
	Watts	403	417	440	471			
	Amps	3.68	3.76	3.98	4.28			
	Lb/h	41.9	40.9	39.7	38.4			
0	Btu/h	3670	3490	3280	3060	2830		
	Watts	415	429	455	488	524		
	Amps	3.76	3.86	4.09	4.41	4.77		
	Lb/h	46.6	45.8	44.9	43.9	42.7		
5	Btu/h	4090	3910	3700	3480	3250		
	Watts	423	439	467	503	542		
	Amps	3.83	3.93	4.18	4.53	4.92		
	Lb/h	51.6	51.0	50.3	49.4	48.4		
10	Btu/h	4550	4360	4150	3920	3680	3430	3160
	Watts	429	446	476	515	558	601	641
	Amps	3.88	3.99	4.26	4.63	5.05	5.47	5.84
	Lb/h	57.0	56.6	56.0	55.2	54.3	53.1	51.8
15	Btu/h	5060	4850	4630	4390	4130	3860	3570
	Watts	433	451	483	524	571	618	664
	Amps	3.92	4.04	4.32	4.71	5.16	5.62	6.03
	Lb/h	62.9	62.6	62.1	61.3	60.4	59.2	57.8
20	Btu/h	5630	5400	5160	4890	4610	4320	4000
	Watts	434	453	487	531	581	634	684
	Amps	3.94	4.06	4.36	4.77	5.25	5.75	6.20
	Lb/h	69.4	69.2	68.7	67.9	66.9	65.7	64.2

25	Btu/h	6260	6010	5740	5440	5130	4800	4460
	Watts	433	454	490	537	590	647	702
	Amps	3.95	4.08	4.39	4.82	5.33	5.86	6.36
	Lb/h	76.8	76.5	75.9	75.0	73.9	72.5	70.8
30	Btu/h	6980	6690	6380	6050	5700	5330	4940
	Watts	431	453	491	540	597	658	719
	Amps	3.94	4.08	4.40	4.86	5.40	5.97	6.51
	Lb/h	85.0	84.6	83.9	82.9	81.6	79.9	78.0
35	Btu/h	7790	7450	7100	6720	6320	5910	5470
	Watts	427	450	490	542	603	668	734
	Amps	3.92	4.07	4.40	4.88	5.45	6.05	6.64
	Lb/h	94.2	93.7	92.7	91.5	89.9	88.0	85.8
40	Btu/h	8690	8310	7900	7470	7020	6550	6060
	Watts	422	446	488	543	608	677	748
	Amps	3.89	4.04	4.40	4.90	5.49	6.13	6.76
	Lb/h	105	104	103	101	99.2	96.9	94.3
45	Btu/h	9710	9270	8800	8310	7790	7260	6710
	Watts	416	442	486	543	611	685	761
	Amps	3.85	4.01	4.38	4.90	5.52	6.20	6.87
	Lb/h	116	115	114	112	109	107	104
50	Btu/h	10800	10300	9800	9240	8660	8050	7430
	Watts	409	436	482	543	614	692	773
	Amps	3.81	3.97	4.35	4.89	5.55	6.26	6.97
	Lb/h	129	128	126	123	121	118	114
55	Btu/h	12100	11500	10900	10300	9620	8940	8240
	Watts	402	431	478	542	617	699	785
	Amps	3.75	3.93	4.32	4.88	5.56	6.31	7.07
	Lb/h	144	142	139	136	133	129	125

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.487636E+03	1.177742E+03	1.440691E+01	4.939548E+01
C2	6.370819E+01	5.629781E+00	5.493146E-02	3.380829E-01
C3	-1.003094E+00	-2.415655E+01	-3.222998E-01	-4.369068E-03
C4	1.810536E+00	-5.872855E-02	-3.393832E-04	1.670559E-02
C5	2.873772E-01	-1.073406E-01	-1.076450E-03	9.995480E-03
C6	-1.297547E-01	2.363415E-01	3.063345E-03	-2.834557E-04
C7	1.342723E-02	3.347534E-04	1.625461E-06	1.585088E-04
C8	-1.529857E-02	-2.185259E-06	-4.762121E-07	-1.348747E-04
C9	-9.668303E-04	7.753169E-04	7.322739E-06	-2.778307E-05
C10	1.914027E-04	-6.702903E-04	-8.720279E-06	-1.214259E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature